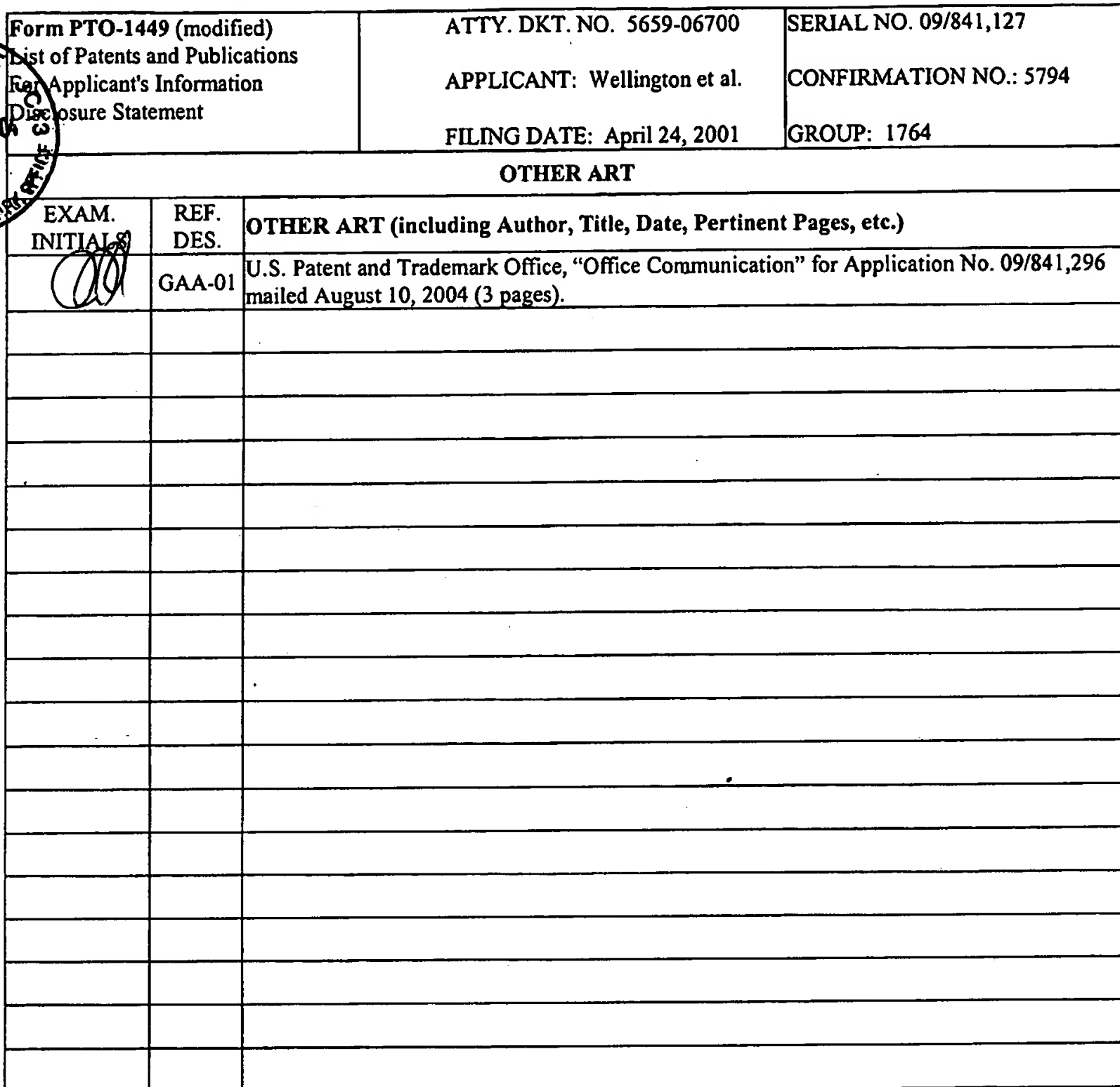


DATE CONSIDERED: 12/13/04

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Lang Johnson

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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Title of
Invention

IN SITU PROCESSING OF A COAL FORMATION TO
PRODUCE A SELECTED GAS MIXTURE

Application Number: 09/841127



Confirmation Number: 5794

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06700

Art Unit: 1764

Examiner: Thuan D. Dang

Search string: (6698515 or 6702016 or 6708758 or 6712135
or 6712136 or 6712137 or 6715546 or 6715547
or 6715549 or 6715548 or 6719047 or 6722431
or 6722430 or 6722429 or 6725920 or 6725921
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or 20040040715 or 20040020642 or
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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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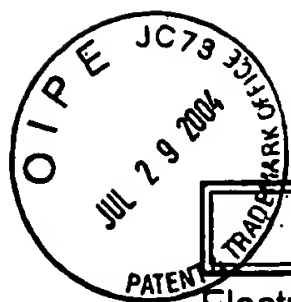
US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

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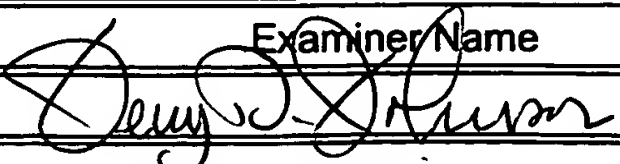
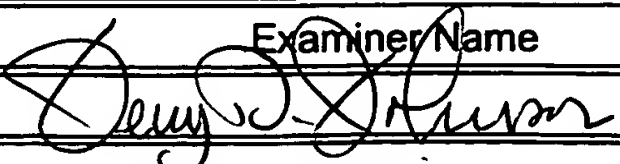
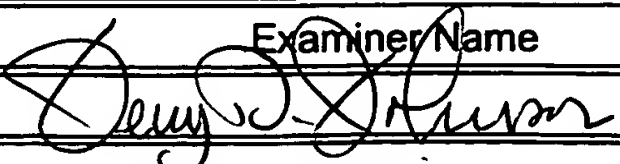
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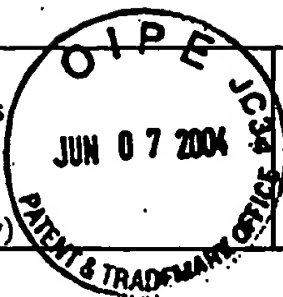


ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
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Title of Invention	IN SITU THERMAL PROCESSING OF A COAL FORMATION TO PRODUCE A SELECTED GAS MIXTURE																																																																																																		
<p>Application Number: 09/841127 </p> <p>Confirmation Number: 5794</p> <p>First Named Applicant: Scott Wellington</p> <p>Attorney Docket Number: 5659-06700</p> <p>Art Unit: 1764</p> <p>Examiner: T. D. Dang</p> <p>Search string: (3004596 or 3342258 or 3455383 or 3501201 or 3502372 or 3759574 or 4160479 or 4375302 or 4483398 or 4815790).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/></td><td>1</td><td>3004596</td><td>1961-10-17</td><td>Parker et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>2</td><td>3342258</td><td>1967-09-19</td><td>Prats</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>3</td><td>3455383</td><td>1969-07-15</td><td>Prats et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>4</td><td>3501201</td><td>1970-03-17</td><td>Closmann et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>5</td><td>3502372</td><td>1970-03-24</td><td>Prats</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>6</td><td>3759574</td><td>1973-09-18</td><td>Beard</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>7</td><td>4160479</td><td>1979-07-10</td><td>Richardson et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>8</td><td>4375302</td><td>1983-03-01</td><td>Kalmar</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>9</td><td>4483398</td><td>1984-11-20</td><td>Peters et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>10</td><td>4815790</td><td>1989-03-28</td><td>Rosar et al.</td><td></td><td></td><td></td></tr></tbody></table> <p>Signature</p> <table border="1"><tr><td>Examiner Name</td><td>Date</td></tr><tr><td></td><td>12/13/04</td></tr></table>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	<input checked="" type="checkbox"/>	1	3004596	1961-10-17	Parker et al.				<input type="checkbox"/>	2	3342258	1967-09-19	Prats				<input type="checkbox"/>	3	3455383	1969-07-15	Prats et al.				<input type="checkbox"/>	4	3501201	1970-03-17	Closmann et al.				<input type="checkbox"/>	5	3502372	1970-03-24	Prats				<input type="checkbox"/>	6	3759574	1973-09-18	Beard				<input type="checkbox"/>	7	4160479	1979-07-10	Richardson et al.				<input type="checkbox"/>	8	4375302	1983-03-01	Kalmar				<input type="checkbox"/>	9	4483398	1984-11-20	Peters et al.				<input type="checkbox"/>	10	4815790	1989-03-28	Rosar et al.				Examiner Name	Date		12/13/04
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List of Patents and Publications
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Disclosure Statement
(Use several sheets if necessary)



ATTY. DKT. NO. 5659-06700

SERIAL NO. 09/841,127


APPLICANT: Wellington et al.

CONFIRMATION NO: 5794

FILING DATE: 4/24/2001

ART UNIT: 1764

OTHER ART

	CC01	Porter, H. P., Petroleum Dictionary for Oil, Field, and Factory, The Gulf Publishing Company, 1948, 4th Ed., page 312.

EXAMINER:

A handwritten signature in dark ink, appearing to read "Lynn D. Shuman".

DATE CONSIDERED:

12/13/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

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PATENT & TRADEMARKS OFFICE

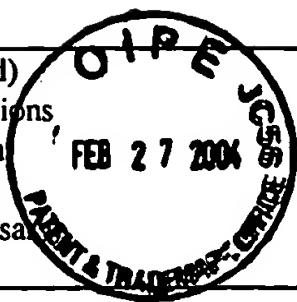
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Application Number: 09/841127							
Confirmation Number: 5794							
First Named Applicant: Scott Wellington							
Attorney Docket Number: 5659-06700							
Art Unit: 1764							
Examiner: T. D. Dang							
Search string: (3994340 or 3994341 or 4460044 or 4696345 or 2584605 or 2969226 or 3982591 or 3982592).pn.							
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T. D. Dang				12/13/04			

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ATTY. DKT. NO. 5659-06700

APPLICANT: Wellington et al.

FILING DATE: April 24, 2001

SERIAL NO. 09/841,127

CONFIRMATION NO.: 5794

ART UNIT: 1764

U.S. PATENT DOCUMENTS

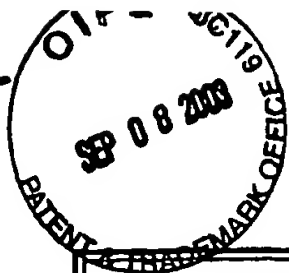
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	U11	4006778	2/8/1977	Redford et al.	—	—	

EXAM. INITIALS	REF. DES.	OTHER ART (including Author, Title, Date, Pertinent Pages, etc.)
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DATE CONSIDERED: 12/13/04

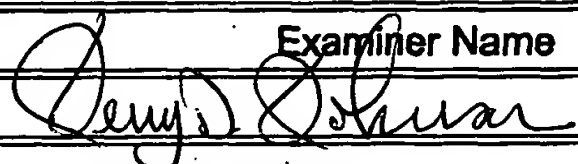
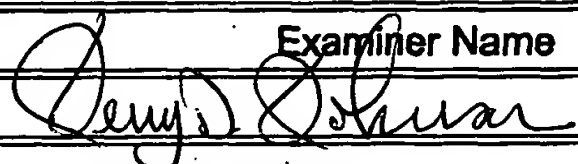
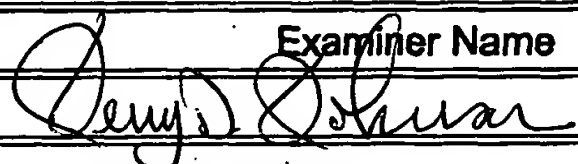
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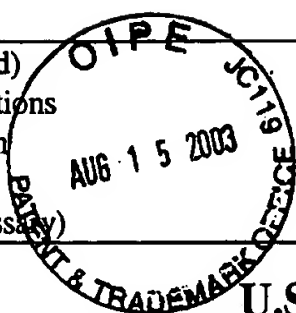
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Title of Invention	IN SITU THERMAL PROCESSING OF A COAL FORMATION TO PRODUCE A SELECTED GAS MIXTURE																				
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ATTY. DKT. NO. 5659-06700

APPLICANT: Wellington et al.

FILING DATE: April 24, 2001

SERIAL NO. 09/841,127

GROUP: 3672

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U.S. PATENT DOCUMENTS

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<i>[Signature]</i>	S5	2,857,002	10/21/1958	Pevere et al.	—	—	
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>[Signature]</i>	T02	Burnham, Alan, K. "Oil Shale Retorting Dependence of timing and composition on temperature and heating rate", January 27, 1995, (23 pages).					
<i>[Signature]</i>	T03	Burnham et al. "A Possible Mechanism of Alkene/Alkane Production in Oil Shale Retorting, (7 pages).					
<i>[Signature]</i>	T04	Campbell, et al., "Kinetics of oil generation from Colorado Oil Shale" IPC Business Press, Fuel, 1978, (3 pages).					
<i>[Signature]</i>	T05	Cummins et al. "Thermal Degradation of Green River Kerogen at 150° to 350 °C", Report of Investigations 7620, U.S. Government Printing Office, 1972, (pages 1-15).					
<i>[Signature]</i>	T06	Cook, et al. "The Composition of Green River Shale Oils", United Nations Symposium on the Development and Utilization of Oil Shale Resources, Tallinn, 1968, (pages 1-23).					
<i>[Signature]</i>	T07	Hill et al., "The Characteristics of a Low Temperature in situ Shale Oil" American Institute of Mining, Metallurgical & Petroleum Engineers, 1967 (pages 75-90)..					
<i>[Signature]</i>	T08	Dinneen, et al. "Developments in Technology for Green River Oil Shale" United Nations Symposium on the Development and Utilization of Oil Shale Resources, Tallinn, 1968, (pages 1-20).					
<i>[Signature]</i>	T09	De Rouffignac, E. "In Situ Resistive Heating of Oil Shale for Oil Production-A Summary of the Swedish Data, (4 pages).					
<i>[Signature]</i>	T10	Dougan, et al. "The Potential for in situ Retorting of Oil Shale in the Piceance Creek Basin of Northwestern Colorado", Quarterly of the Colorado School of Mines (pages 57-72).					
<i>[Signature]</i>	T11	Hill et al. "Direct Production of Low Pour Point High Gravity Shale Oil" I&EC Product Research and Development, 1967, Volume 6, (pages 52-59).					
<i>[Signature]</i>	T12	Yen et al., "Oil Shale" Developments in Petroleum Science, 5, Elsevier Scientific Publishing Co., 1976 (pages 187-198).					
<i>[Signature]</i>	T13	SSAB report, "A Brief Description of the Ljungstrom Method for Shale Oil Production," 1950, (12 pages).					
<i>[Signature]</i>	T14	Salomonsson G., SSAB report, "The Lungstrom In Situ-Method for Shale Oil Recovery, 1950 (28 pages)					
<i>[Signature]</i>	T15	"Swedish shale oil-Production method in Sweden," Organisation for European Economic Co-operation, 1952, (70 pages).					
<i>[Signature]</i>	T16	SSAB report, "Kvarn Torp" 1958, (36 pages).					
<i>[Signature]</i>	T17	SSAB report, "Kvarn Torp" 1951 (35 pages).					
<i>[Signature]</i>	T18	SSAB report, "Summary study of the shale oil works at Narkes Kvarntorp" (15 pages).					
<i>[Signature]</i>	T19	Vogel et al. "An Analog Computer for Studying Heat Transfrer during a Thermal Recovery Process," AIME Petroleum Transactions, 1955 (pages 205-212).					

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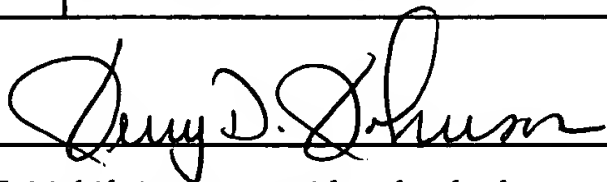
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Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)		ATTY. DKT. NO. 5659-06700 APPLICANT: Wellington et al. FILING DATE: April 24, 2001	SERIAL NO. 09/841,127 GROUP: 3672
<input checked="" type="checkbox"/>	T20	"SKIFEROLJA GENOM UPPVARMNING AV SKIFFERBERGET," Faxin Department och Namder, 1941, (3 pages)	
<input checked="" type="checkbox"/>	T21	"Aggregeringens orsaker och ransoneringen grunder", Av director E.F.Cederlund I Statens livsmedelskommission (1 page).	
<input checked="" type="checkbox"/>	T22	Ronby, E. "KVARNTORP-Sveriges Storsta skifferoljeindustri," 1943, (9 pages)	
<input checked="" type="checkbox"/>	T23	SAAB report, "The Swedish Shale Oil Industry," 1948 (8 pages).	
<input checked="" type="checkbox"/>	T24	Gejrot et al., "The Shale Oil Industry in Sweden," Carlo Colombo Publishers-Rome, Proceedings of the Fourth World Petroleum Congress, 1955 (8 pages)	
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<input checked="" type="checkbox"/>	T26	SAAB, "Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand", 1955 Vol. 1, (141 pages) English	
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<input checked="" type="checkbox"/>	T32	"Lins Burner Test Results-English" 1959-1960	
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<input checked="" type="checkbox"/>	T40	SAAB report, "Swedish Geological Survey Report, Plan to Delineate Oil shale Resource in Narkes Area (near Kvarntorp)," 1941 (13 pages). Swedish.	
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Title of Invention	IN SITU THERMAL PROCESSING OF A COAL FORMATION TO PRODUCE A SELECTED GAS MIXTURE																												
<p>Application Number: 09/841127 Confirmation Number: 5794 First Named Applicant: Scott Wellington Attorney Docket Number: 5659-06700 Art Unit: 1764 Examiner: Marian C. Knode Search string: (3026940 or</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>3026940</td><td>1962-03-27</td><td>Spitz</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>3947683</td><td>1976-03-30</td><td>Schultz et al.</td><td></td><td></td><td></td></tr></tbody></table> <p>Signature</p> <table border="1"><tr><td>Examiner Name</td><td>Date</td></tr><tr><td></td><td>12/13/04</td></tr></table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass		1	3026940	1962-03-27	Spitz					2	3947683	1976-03-30	Schultz et al.				Examiner Name	Date		12/13/04
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Examiner Name	Date																												
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Application Number: 09/841127
Confirmation Number: 5794
First Named Applicant: Scott Wellington
Attorney Docket Number: 5659-06700
Examiner: unknown unknown
Search string: (3986556 or 4031956 or 4140180 or 4412585 or 4501326 or 4524827 or 4585066 or 4776638 or 4856587 or 5517593 or 5099918 or 5751895 or 6015015 or 6112808).pn.

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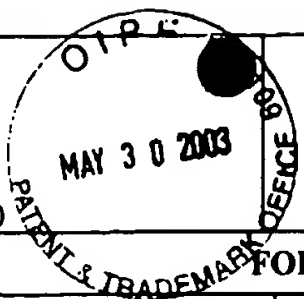
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ATTY. DKT. NO. 5659-06700/TH 92

SERIAL NO. 09/841,127

APPLICANT: Wellington et al.

GROUP: 3672

FILING DATE: April 24, 2001

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	AA2	294 809	1988-12-14	EP			

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IN SITU THERMAL PROCESSING OF A COAL FORMATION TO PRODUCE A SELECTED GAS MIXTURE

Application: 
09/841127

Confirmation: 5794

Applicant(s): Scott Wellington

Docket Number: 5659-06700


Group Art Unit:


Examiner: Unknown

search string: (4193451 or 4265307 or 4390067 or 4456065 or 4457374 or 4479541 or 4498535 or 4598770 or 4669542 or 4682652 or 4982786 or 5201219 or 5339904 or 3349845).pn.


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Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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	P08	4193451	1980-03-18		Dauphine		
	P09	4265307	1981-05-05		Elkins		
	P10	4390067	1983-06-28		Wilman		
	P11	4456065	1984-06-		Heim et al.		

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	P12	4457374	1984-07-03		Hoekstra et al.
	P13	4479541	1984-10-30		Wang
	P14	4498535	1985-02-12		Bridges
	P15	4598770	1986-07-08		Shu et al.
	P16	4669542	1987-06-02		Venkatesan
	P17	4682652	1987-07-28		Huang et al.
	P18	4982786	1991-01-08		Jennings, Jr.
	P19	5201219	1993-04-13		Bandurski et al.
	P20	5339904	1994-08-23		Jennings, Jr.
	P25	3349845	1967-10-31		Holbert et al.

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IN SITU THERMAL PROCESSING OF A COAL FORMATION TO PRODUCE A SELECTED GAS MIXTURE

Application:



09/841127

Confirmation: 5794

Applicant(s): Scott Wellington

Docket
Number: 5659-06700

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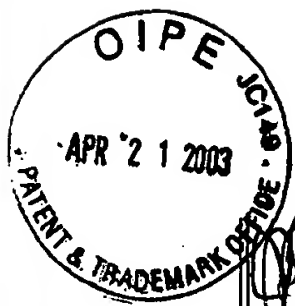
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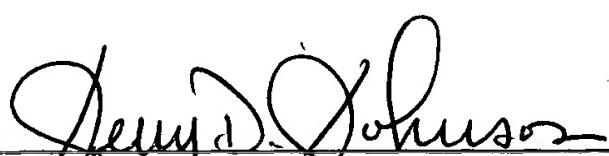
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	P03	4042026	1977-08-16		Pusch et al.		
	P04	4005752	1977-02-01		Cha		





P05	5868202	1999-02-09		Hsu
P06	5126037	1992-06-30		Showalter
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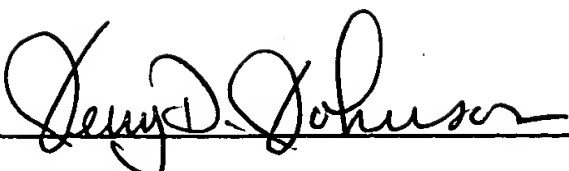
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
	L12	Van Krevelen, COAL: Typology-Physics-Chemistry-Constitution, 1993, pp. 27, 42, 52, 322, 323, 324, 325, 326, 526, 527, 726.	

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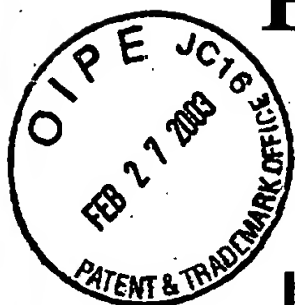
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Application:



09/841127

Confirmation: 5794

Applicant(s): Scott Wellington

Docket

Number: 5659-06700

Group Art

Unit:

Examiner: Unknown

search string: (4087130 or 4537252 or re30019 or 2623596 or 3775185 or 4524113 or 5284878 or 5767584 or 5955039 or 4091869 or 4513816 or 0094813 or 5008085 or 4099567 or 0048994 or 64852332 or 20020018697).pn.

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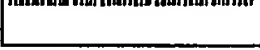



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	P23	4087130	1978-05-02		Garrett		
	P24	4537252	1985-08-27		Puri		
	P25	re30019	1979-06-05		Lindquist		

P26	2623596	1952-12-30		Whorton et al.
P27	3775185	1973-11-27		Kunz et al.
P28	4524113	1985-06-18		Lesieur
P29	5284878	1994-02-08		Studer et al.
P30	5767584	1998-06-16		Gore et. al
P31	5955039	1999-09-21		Dowdy
P32	4091869	1978-05-30		Hoyer
P33	4513816	1985-04-30		Hubert
P34	0094813	1869-09-14		Dickey
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P36	4099567	1978-07-11		Terry
P37	0048994	1865-07-25		Parry
P38	64852332	2002-11-26		Vinegar et al.

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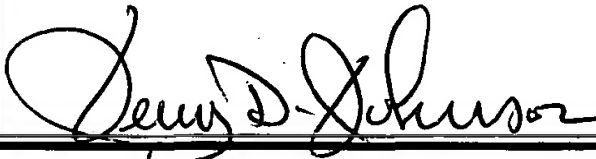
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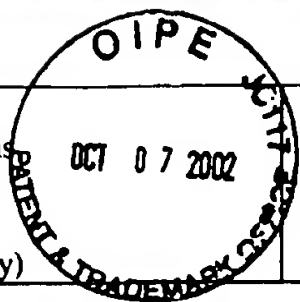
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ATTY. DKT. NO. 5659-06700/TH1992

SERIAL NO. 09/841,127

APPLICANT: Wellington et al.

GROUP: 3672

FILING DATE: April 24, 2001

U.S. PATENT DOCUMENTS

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	J1	326,439	Sep-1885	McEachen			
	J2	1,681,523	Feb-1928	Downey et. al.			
	J3	2,244,256	Jun-1941	Looman			
	J4	2,714,930	Aug-1955	Carpenter			
	J5	3,547,193	Dec-1970	Gill			
	J6	3,562,401	Feb-1971	Long			
	J7	4,089,374	May-1978	Terry			
	J8	4,423,311	Dec-1983	Varney, Sr.			
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Gunter et al.

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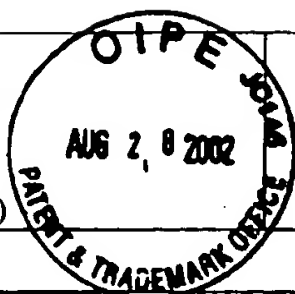
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	G7	3,599,714	Aug-71	Messman et al.	—	—	
	G8	4,043,393	Aug-77	Fisher et al.	—	—	

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	G6	Rogers, Rudy E. "Coalbed Methane: Principles and Practice" Prentice-Hall, Inc. 1994, pp. 164-165.
	G9	Hyne, Norman J. Geology for Petroleum Exploration, Drilling, and Production. McGraw-Hill Book Company, 1984, p. 264.

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U.S. PATENT DOCUMENTS

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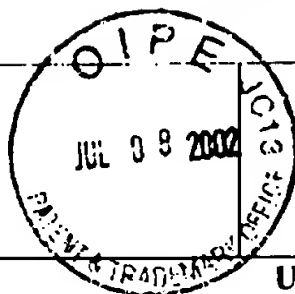
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	F1	4,252,191	Feb-1981	Pusch et al.			
	F2	3,310,109	Mar-1967	J. W. Marx et al.			
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	F3	Thermal, Mechanical, and Physical Properties of Selected Bituminous Coals and Coles J. M. Sager and R. P. Tye. US Department of Interior, Bureau of Mines (1979) Government Report No. 8364.
	G3	Rogers, Rudy E. "Coalbed Methane: Principles and Practice" Prentice-Hall, Inc. 1994 pp. 68-97.
	G4	Department of Energy Coal Sample Bank and Database http://www.energy.psu.edu/arg/docsb.htm , June 4, 2002.

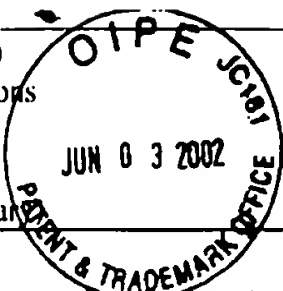
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	E3	3,924,680	Dec-1975	Terry			
	E4	5,020,596	Jun-1991	Hemsath			
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<i>[initials]</i>	E11	Coal, Encyclopedia of Chemical Technology, Kirk, R.E., Kroschwitz, J.I., Othmer, D.F., Wiley, New York, 4th edition, 1991, Vol. 6, pp. 423-488.
	E12	Cortez et al., UK Patent Application GB 2,068,014 A, Date of Publication: August 5, 1981.
	E13	Wellington et al., US Patent Application 60/273,354, Filed March 5, 2001.
	E14	The VertiTrak System Brochure, Baker Hughes, INT-01-1307A4, 2001 8 pages.

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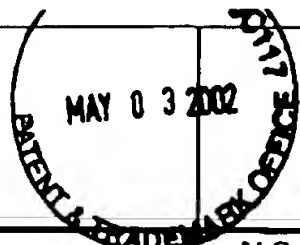
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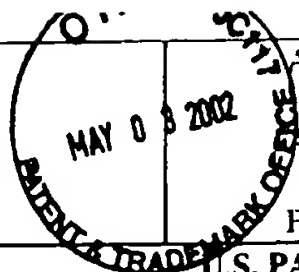
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ATTY. DKT. NO. 5659-06700/TH1992

SERIAL NO. 09/841,127

APPLICANT: Wellington, et al.

GROUP: 3672

FILING DATE: April 24, 2001

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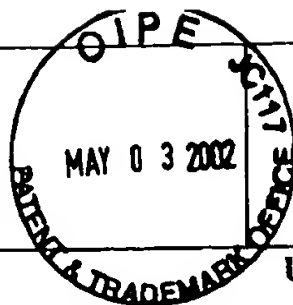
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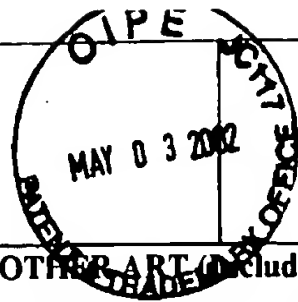
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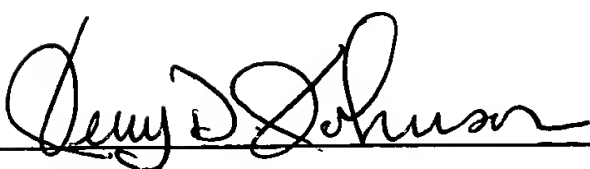
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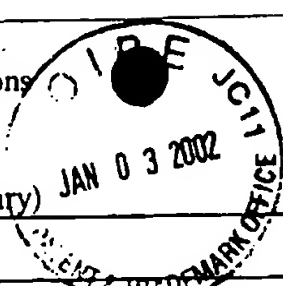


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ATTY. DKT. NO. 5659-06700/TH1992

SERIAL NO. 09/841,127

APPLICANT: Wellington, et al.

GROUP: 3672

FILING DATE: April 24, 2001

U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>[Signature]</i>	A1	760,304	05/1904	Butler			
	A2	1,342,741	06/1920	Day			
	A3	1,510,655	10/1924	Clark			
	A4	1,666,488	02/1927	Crawshaw			
	A5	1,913,395	11/1929	Karrick			
	A6	2,423,674	07/1947	Agren			
	A7	2,444,755	07/1948	Steffen			
	A8	2,466,945	02/1946	Greene			
	A9	2,472,445	06/1949	Sprong			
	A10	2,484,063	10/1949	Ackley			
	A11	2,497,868	02/1950	Dalin			
	A12	2,548,360	04/1951	Germain			
	A13	2,593,477	04/1952	Newman et al.			
	A14	2,595,979	05/1952	Pevere et al.			
	A15	2,630,306	01/1952	Evans			
	A16	2,634,961	04/1953	Ljungstrom			
	A17	2,642,943	06/1953	Smith et al.			
	A18	2,670,802	03/1954	Ackley			
	A19	2,695,163	11/1954	Pearce et al.			
	A20	2,732,195	01-24-56	Ljungstrom			
	A21	2,734,579	02-14-56	Elkins			
	A22	2,780,449	02-05-57	Fisher et al.			
	A23	2,777,679	01/1957	Ljungstrom			
	A24	2,780,450	02/1957	Ljungstrom			
	A25	2,786,660	03/1957	Alleman			
	A26	2,789,805	04/1957	Ljungstrom			
	A27	2,804,149	08/1957	Kile			
	A28	2,841,375	07/1958	Salomonsson			
	A29	2,902,270	09/1959	Salomonsson et al.			
	A30	2,906,337	09/1959	Henning			

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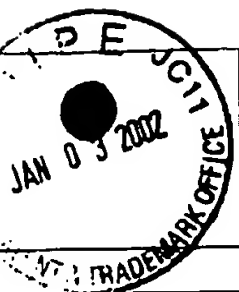
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	A31	2,914,309	11/1959	Salomonsson			
	A32	2,923,535	02/1960	Ljungstrom			
	A33	2,939,689	06/1960	Ljungstrom			
	A34	2,954,826	10/1960	Sievers			
	A35	2,974,937	03/1961	Kiel			
	A36	2,994,376	08/1961	Crawford et al.			
	A37	2,998,457	08/1961	Paulsen			
	A38	3,004,603	10/1961	Rogers et al.			
	A39	3,007,521	11/1961	Trantham et al.			
	A40	3,095,031	06/1963	Eurenius et al.			
	A41	3,105,545	10/1963	Prats et al.			
	A42	3,106,244	10/1963	Parker			
	A43	3,110,345	11/1963	Reed et al.			
	A44	3,113,623	12/1963	Krueger			
	A45	3,114,417	12/1963	McCarthy			
	A46	3,131,763	05/1964	Kunetka et al.			
	A47	3,139,928	07/1964	Broussard			
	A48	3,142,336	07/1964	Doscher			
	A49	3,149,672	10/1964	Orkiszewski et al.			
	A50	3,163,745	12/1964	Boston			
	A51	3,164,207	01/1965	Thessen et al.			
	A52	3,182,721	05/1965	Hardy			
	A53	3,183,675	05/1965	Schroeder			
	A54	3,191,679	06/1965	Miller			
	A55	3,205,946	10/1965	Prats et al.			
	A56	3,207,220	10/1965	Williams			
	A57	3,208,531	10/1965	Tamplen			
	A58	3,209,825	10/1965	Alexander et al.			

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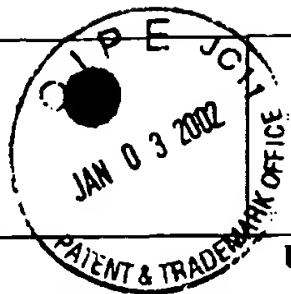
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<i>[initials]</i>	A89	4,381,641	05/1983	Madgavkar et al.			
	A90	4,398,151	08/1983	Vinegar et al.			
	A91	4,407,973	10/1983	van Dijk et al.			
	A92	4,409,090	10/1983	Hanson et al.			
	A93	4,444,258	04/1984	Kalmar			
	A94	4,501,445	02/1985	Gregoli			
	A95	4,530,401	07/1985	Hartman et al.			
	A96	4,540,882	10/1985	Vinegar et al.			
	A97	4,542,648	10/1985	Vinegar et al.			
	A98	4,570,715	02/1986	Van Meurs et al.			
	A99	4,571,491	02/1986	Vinegar et al.			
	A100	4,572,299	02/1986	Vanegmond et al.			
	A101	4,583,046	04/1986	Vinegar et al.			
	A102	4,583,242	04/1986	Vinegar et al.			
	A103	4,594,468	06/1986	Minderhoud			
	A104	4,597,441	07/1986	Ware et al.			
	A105	4,605,680	08/1986	Beuther et al.			
	A106	4,613,754	09/1986	Vinegar et al.			
	A107	4,616,705	10/1986	Stegemeier et al.			
	A108	4,635,197	01/1987	Vinegar et al.			
	A109	4,640,352	02/1987	Vanmeurs et al.			
	A110	4,644,283	02/1987	Vinegar et al.			
	A111	4,658,215	04/1987	Vinegar et al.			
	A112	4,663,711	05/1987	Vinegar et al.			
	A113	4,671,102	06/1987	Vinegar et al.			
	A114	4,716,960	01/1988	Eastlund et al.			
	A115	4,719,423	01/1988	Vinegar et al.			
	A116	4,728,892	03/1988	Vinegar et al.			
	A117	4,730,162	03/1988	Vinegar et al.			
	A118	4,743,854	05/1988	Vinegar et al.			

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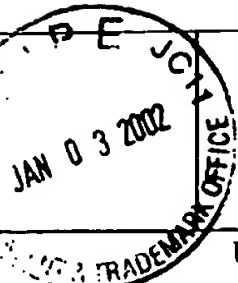
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	A120	4,769,602	09/1988	Vinegar et al.			
	A121	4,769,606	09/1988	Vinegar et al.			
	A122	4,793,656	12/1988	Siddoway et al.			
	A123	4,827,761	05/1989	Vinegar et al.			
	A124	4,848,924	07/1989	Nuspi et al.			
	A125	4,856,341	08/1989	Vinegar et al.			
	A126	4,860,544	08/1989	Krieg et al.			
	A127	4,866,983	09/1989	Vinegar et al.			
	A128	4,884,455	12/1989	Vinegar et al.			
	A129	4,886,118	12/1989	Van Meurs et al.			
	A130	4,927,857	05/1990	McShea III et al.			
	A131	4,974,425	12/1990	Krieg et al.			
	A132	4,983,319	01/1991	Gregoli et al.			
	A133	4,984,594	01/1991	Vinegar et al.			
	A134	4,987,368	01/1991	Vinegar			
	A135	4,994,093	02/1991	Wetzel et al.			
	A136	5,014,788	05/1991	Puri et al.			
A137	5,046,559	10/1991	Glandt				
A138	5,050,386	09/1991	Krieg et al.				
A139	5,060,287	10/1991	Van Egmond				
A140	5,060,726	10/1991	Glandt et al.				
A141	5,065,818	11/1991	Van Egmond				
A142	5,168,927	12/1992	Stegemeier et al.				
A143	5,189,283	02/1993	Carl, Jr. et al.				
A144	5,190,405	03/1993	Vinegar et al.				
A145	5,207,273	05/1993	Cates et al.				
A146	5,211,230	05/1993	Ostapovich et al.				
A147	5,226,961	07/1993	Nahm et al.				
A148	5,229,583	07/1993	van Egmond et al.				

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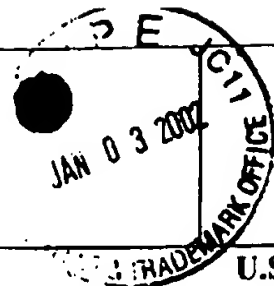
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<i>OW</i>	A149	5,236,039	08/1993	Edelstein et al.			
	A150	5,255,742	10/1993	Mikus			
	A151	5,297,626	03/1994	Vinegar et al.			
	A152	5,306,640	04/1994	Vinegar et al.			
	A153	5,318,116	06/1994	Vinegar et al.			
	A154	5,339,897	08/1994	Leaute			
	A155	5,340,467	08/1994	Gregoli et al.			
	A156	5,349,859	09/1994	Kleppe			
	A157	5,388,640	02/1995	Puri et al.			
	A158	5,388,641	02/1995	Yee et al.			
	A159	5,388,642	02/1995	Puri et al.			
	A160	5,388,643	02/1995	Yee et al.			
	A161	5,388,645	02/1995	Puri et al.			
	A162	5,391,291	02/1995	Winqvist et al.			
	A163	5,392,854	02/1995	Vinegar et al.			
	A164	5,404,952	04/1995	Vinegar et al.			
	A165	5,409,071	04/1995	Wellington et al.			
	A166	5,411,089	05/1995	Vinegar et al.			
	A167	5,415,231	05/1995	Northrop et al.			
	A168	5,431,224	07/1995	Laali			
	A169	5,433,271	07/1995	Vinegar et al.			
	A170	5,437,506	08/1995	Gray			
	A171	5,439,054	08/1995	Chaback et al.			
	A172	5,454,666	10/1995	Chaback et al.			
	A173	5,497,087	03/1996	Vinegar et al.			
	A174	5,498,960	03/1996	Vinegar et al.			
	A175	5,525,322	06/1996	Willms			
	A176	5,553,189	09/1996	Stegemeier et al.			
	A177	5,554,453	09/1996	Steinfeld et al.			
	A178	5,566,756	10/1996	Chaback et al.			

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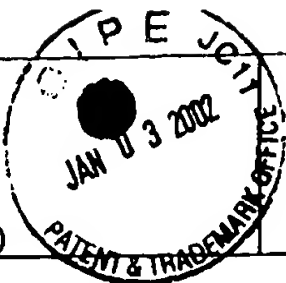
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	A179	5,624,188	04/1997	West			
	A180	5,656,239	08/1997	Stegemeier et al.			
	A181	5,676,212	10/1997	Kuckes			
	A182	5,862,858	01/1999	Wellington et al.			
	A183	5,899,269	05/1999	Wellington et al.			
	A184	5,968,349	10/1999	Duyvesteyn et al.			
	A185	5,984,010	11/1999	Elias et al.			
	A186	5,985,138	11/1999	Humphreys			
	A187	5,997,214	12/1999	de Rouffignac et al.			
	A188	6,016,867	01/2000	Gregoli et al.			
	A189	6,016,868	01/2000	Gregoli et al.			
	A190	6,019,172	02/2000	Wellington et al.			
	A191	6,023,554	02/2000	Vinegar et al.			
	A192	6,056,057	05/2000	Vinegar et al.			
	A193	6,079,499	06/2000	Mikus et al.			
	A194	6,085,512	07/2000	Agee et al.			
	A195	6,094,048	07/2000	Vinegar et al.			
	A196	6,102,122	08/2000	de Rouffignac			
	A197	6,102,622	08/2000	Vinegar et al.			
	A198	6,152,987	11/2000	Ma et al.			
	A199	6,172,124	01/2001	Wolflick et al.			
	A200	6,173,775 B1	01/2001	Elias et al.			
	A201	6,187,465	02/2001	Galloway			
	A202	Re. 30,738	09/1981	Bridges et al.			
	A203	Re. 35,696	12/1997	Mikus			

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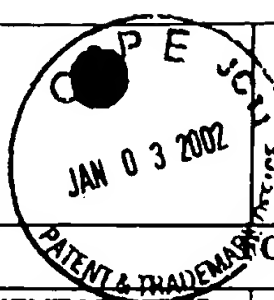
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	A204	121,737	03/1948	Sweden			
	A205	123,136	11/1948	Sweden			

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EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLAT ON YES/NO
<i>[initials]</i>	A206	123,137	11/1948	Sweden			
	A207	123,138	11/1948	Sweden			
	A208	126,674	11/1949	Sweden			
	A209	1,196,594	11/1985	CA			
	A210	1,253,555	05/1989	CA			
	A211	1,288,043	08/1991	CA			
	A212	156,396	01/1921	GB			
	A213	674,082	06/1952	GB			
	A214	697,189	09/1953	GB			
	A215	1,454,324	11/1976	GB			
	A216	1,501,310	02/1978	GB			
	A217	2,086,416	05/1982	GB			
	A218	1836876	12/1994	SU			
	A219	0570228 B1	09/1996	EP			
	A220	99/01640	01/1999	WO			
	A221	95/06093	03/1995	WO			
	A222	95/12746	05/1995	WO			
	A223	95/33122	12/1995	WO			
	A224	95/12742	05/1995	WO			
	A225	95/12743	05/1995	WO			
	A226	95/12744	05/1995	WO			
	A227	95/12745	05/1995	WO			

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<i>[initials]</i>	A228	Some Effects of Pressure on Oil-Shale Retorting," Society of Petroleum Engineers Journal, J.H. Bae, September, 196 pp. 287-292.
	A229	New in situ shale-oil recovery process uses hot natural gas; The Oil & Gas Journal; May 16, 1966, p. 151.
	A230	Evaluation of Downhole Electric Impedance Heating Systems for Paraffin Control in Oil Wells; Industry Applications Society 37 th Annual Petroleum and Chemical Industry Conference; The Institute of Electrical and Electronics Engineer Inc., Bosch et al., September 1990, pp. 223-227.
	A231	New System Stops Paraffin Build-up; Petroleum Engineer, Eastlund et al., January 1989, (3 pages).
	A232	Oil Shale Retorting: Effects of Particle Size and Heating Rate on Oil Evolution and Intraparticle Oil Degradation; Campbell et al. In Situ 2(4), 1978, pp. 1-47.

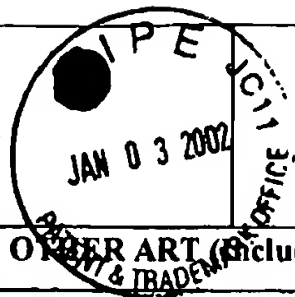
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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A234	Retoring Oil Shale Underground-Problems & Possibilities; B.F. Grant, Qtly of Colorado School of Mines, pp 39-46.
A235	Molecular Mechanism of Oil Shale Pyrolysis in Nitrogen and Hydrogen Atmospheres, Hershkowitz et al.. Geochemistry and Chemistry of Oil Shales, American Chemical Society, 5/1983 pp. 301-316.
A236	The Characteristics of a Low Temperature in Situ Shale Oil; George Richard Hill & Paul Dougan, Quarterly of the Colorado School of Mines, 1967; pp. 75-90.
A237	Direct Production Of A Low Pour Point High Gravity Shale Oil; Hill et al., I & EC Product Research and Development, 6(1), March 1967; pp. 52-59.
A238	Refining Of Swedish Shale Oil, L. Lundquist, pp. 621-627.
A239	The Benefits of In Situ Upgrading Reactions to the Integrated Operations of the Orinoco Heavy-Oil Fields and Downstream Facilities, Myron Kuhlman, Society of Petroleum Engineers, June 2000; pp. 1-14.
A240	Monitoring Oil Shale Retorts by Off-Gas Alkene/Alkane Ratios, John H. Raley, Fuel, Vol. 59, June 1980, pp. 419-42.
A241	The Shale Oil Question, Old and New Viewpoints, A Lecture in the Engineering Science Academy, Dr. Fredrik Ljungstrom, February 23, 1950, published in Teknisk Trdskrift, January 1951 p. 33-40.
A242	Underground Shale Oil Pyrolysis According to the Ljungstroem Method; Svenska Skifferolje Aktiebolaget (Swedish Shale Oil Corp.), IVA, Vol. 24, 1953, No. 3, pp. 118-123.
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A245	Application of a Microretort to Problems in Shale Pyrolysis, A. W. Weitkamp & L.C. Gutberlet, Ind. Eng. Chem. Process Des. Develop. Vol. 9, No. 3, 1970, pp. 386-395.
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A247	The Composition of Green River Shale Oils, Glenn L. Cook, et al., United Nations Symposium on the Development and Utilization of Oil Shale Resources, 1968, pp. 1-23.
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A251	The Ljungstroem In-Situ Method of Shale Oil Recovery, G. Salomonsson, Oil Shale and Cannel Coal, Vol. 2, Proceedings of the Second Oil Shale and Cannel Coal Conference, Institute of Petroleum, 1951, London, pp. 260-280
A252	Developments in Technology for Green River Oil Shale, G.U. Dinneen, United Nations Symposium on the Development and Utilization of Oil Shale Resources, Laramie Petroleum Research Center, Bureau of Mines, 1968, pp.1-20.
A253	The Thermal and Structural Properties of a Hanna Basin Coal, R.E. Glass, Transactions of the ASME, Vol. 106, June 1984, pp. 266-271.
A254	The Thermal and Structural Properties of the Coal in the Big Coal Seam, R.E. Glass, In Situ, 8(2), 1984, pp. 193-205.
A255	Investigation of the Temperature Variation of the Thermal Conductivity and Thermal Diffusivity of Coal, Badzioch et al., Fuel, Vol. 43, No. 4, July 1964, pp. 267-280.
A256	On the Mechanism of Kerogen Pyrolysis, Alan K. Burnham & James A. Happe, January 1984 (4 pages).
B1	Proposed Field Test of the Lins Method Thermal Oil Recovery Process in Athabasca McMurray Tar Sands, Husky Oil Company.

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